

ABSTRACT OF THE DISCLOSURE

In an adsorbent of the present invention, at least a surface and its vicinity thereof is composed of an apatite represented by the formula $\text{Ca}_{10}(\text{PO}_4)_6((\text{OH})_{1-x}\text{A}_x)_2$, where A represents a halogen element and $0 \leq x \leq 1$, and a phosphate group contained in the apatite is bonded to a trivalent metal ion. Further, preferably, the trivalent metal ion is Fe^{3+} . According to the present invention, it is possible to provide an adsorbent capable of specifically adsorbing an object compound, an adsorption apparatus capable of separating and purifying the object compound easily and reliably, and a method capable of manufacturing such an adsorption apparatus easily in a short time.